

	<b>Low Values</b>	<b>High Values</b>
<b>Blood Gas</b>		
Arterial Blood Gas, Adult		
pH	< 7.25 units	> 7.60 units
pCO <sub>2</sub>	< 25 mmHg	> 60 mmHg
pO <sub>2</sub>	< 60mmHg	.....
Arterial Blood Gas, Newborn		
pH	< 7.20 units	> 7.50 units
pCO <sub>2</sub>	< 30 mmHg	> 60 mmHg
pO <sub>2</sub>	< 40 mmHg	> 90 mmHg
<b>Chemistry</b>		
Bilirubin, Total: Neonates		
• Less than 24 hours	.....	≥ 7.0 mg/dl
• 24 hours to 48 hours	.....	≥ 11.0 mg/dl
• 48 hours to 72 hours	.....	≥ 13.5 mg/dl
• 72 hours to 30 days	.....	≥ 15.0 mg/dl
Calcium, Total	≤ 6.5 mg/dl	≥ 12.0 mg/dl
Calcium, Ionized	≤ 3.5 mg/dl	≥ 5.8 mg/dl
Glucose: 0-24 hours old (random, fasting GTT)	≤ 40 mg/dl	≥ 500 mg/dl
Glucose: > 24 hours old (random, fasting GTT)	≤ 50 mg/dl	≥ 500 mg/dl
Lactic Acid	.....	≥ 5.0 mmol/L
Magnesium	≤ 1.0 mg/dl	≥ 5.0 mg/dl
Osmolality, measured	≤ 250 mOsm/kg	≥ 335 mOsm/kg
Phosphorus	≤ 1.0 mg/dl	.....
Potassium	≤ 2.5 mmol/L	≥ 6.5 mmol/L
Sodium	≤ 120 mmol/L	≥ 160 mmol/L
<b>Drugs</b>		
Acetaminophen	.....	≥ 50 ug/ml
Digoxin	.....	≥ 2.5 ng/dl
Lidocaine	.....	≥ 6.5 ug/ml
Lithium	.....	≥ 1.5 mmol/L
<b>Hematology</b>		
Hematocrit		
• Less than 24 hours	< 35%	.....
• 24 hours to 1 month	< 20%	.....
• Less than or equal to 1 month	.....	≥ 70%
• Greater than 1 month	.....	≥ 60%
Hemoglobin	≤ 6.0 g/dl	.....
INR	.....	≥ 5.0
Partial Thromboplastin Time	.....	≥ 85 sec
WBC		
• ≤ 30 days of age	< 2.0 K/uL	.....
• > 30 days	≤ 1.0 K/uL	≥ 50 K/uL
Malaria	Presence (> 0)	
Blasts	Presence (> 0)	
<b>Microbiology</b>		
Blood Culture	Positive culture or Gram stain	
CSF Culture	Positive culture or Gram stain	
Cryptococcal Antigen	Positive	
India Ink exam	Positive	
<b>Reference Lab</b>	Results identified as critical by a reference lab will be phoned.	